

## Addendum to KRBCA Limited Report Format, Version 1, January, 2005

Note-- The following sections of the KRBCA Limited Report Format, Version 1, January, 2005 have been updated and will become part of the attached Limited Report Format as of January 20, 2005.

### SECTION 3.0      FINAL REPORT FORMAT

#### **2.0**      **Field Work Tables**

Table 2.4      Groundwater Analytical Results

Present all results for each sample point. Private wells and PWS wells should be designated consistently throughout the report. Include the following information for each groundwater and petroleum product laboratory sample:

- 1) well ID number (see Table 2.3),
- 2) the concentration of each constituent, in parts per billion (ppb)\*,
- 3) the product(s) identified, or approximate % of each product if a mixture, for any product sample(s),
- 4) the volume, in gallons, of water removed from each well during well development,
- 5) the volume, in gallons, of water purged from the well prior to sampling,
- 6) the date the well was purged,
- 7) the date each sample was collected,
- 8) the EPA test method and analytical sample detection limit for each analyte in each sample,
- 9) tier 2 risk based screening levels.

Constituents are Total BTEX, Benzene, Toluene, Ethylbenzene, Total Xylenes, 1,2 Dichloroethane (1,2 DCA), Methyl Tertbutyl Ether (MtBE), **Tertiary Butyl Alcohol (TBA)**, Naphthalene, Ethylene Dibromide (EDB), TPH GRO and TPH DRO. Other constituents detected from full VOC and/or PAH scans should also be included in the table.

#### **3.0**      **MAPS**

Figure 5      Groundwater Isoconcentration Maps

Develop, down to non-detect (ND) levels, all groundwater isoconcentration maps outlined below. Use Figure 2 as the template and show all monitoring wells and sampling points, with ID numbers, sampled during the investigation. Label sample points and isoconcentration lines with the concentration in ppb. If the constituent being mapped was detected in less than three sampling locations, submit a map showing the sample points labeled with the concentration in ppb but do not contour. Maps 5.7, 5.8 and 5.9 should only be submitted if the contaminant is detected in three or more sampling locations. Sample points shall be labeled with concentration in ppb.

- 5.1 Groundwater Probe Survey - Total BTEX in probes
- 5.2 Total BTEX in wells
- 5.3 Benzene in wells
- 5.4 1,2 Dichloroethane in wells
- 5.5 MtBE in wells
- 5.6 TBA in wells**
- 5.7 Naphthalene in wells
- 5.8 EDB in wells
- 5.9 TPH OA-1 in wells
- 5.10 TPH OA-2 in wells**

Figure 6 Groundwater Composite Historical Contamination Maps

This should be a historic combination of maps indicating snapshots of the following groundwater contaminant plumes.

- Figure 6.1 Total BTEX
- Figure 6.2 Benzene
- Figure 6.3 MtBE

If the contaminant has not been historically detected in three or more wells, that specific combination of maps may be omitted from the report. In addition, if **TBA**, Naphthalene or EDB is found in concentrations above Tier 2 RBSL's during any historic sampling event and has been detected in three or more wells, composite historical contamination maps will be submitted for that contaminant.

These should be, at a minimum, 3" x 4" reductions of the isoconcentration maps similar to Figure 5 maps and placed on 11" x 17" paper. Each page will include six reduced maps. Submit one page per constituent. The first map will be the initial concentrations or earliest concentrations available. The final map will be the analytical results obtained from this Limited KRBCA scope of work. The maps between the initial map and final map will be the four most recent analytical results. The sampling data and date will be clearly labeled on each reduced map.